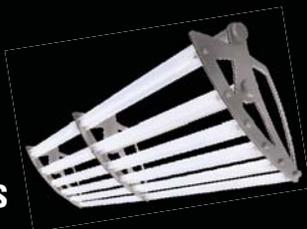


Case Study



After

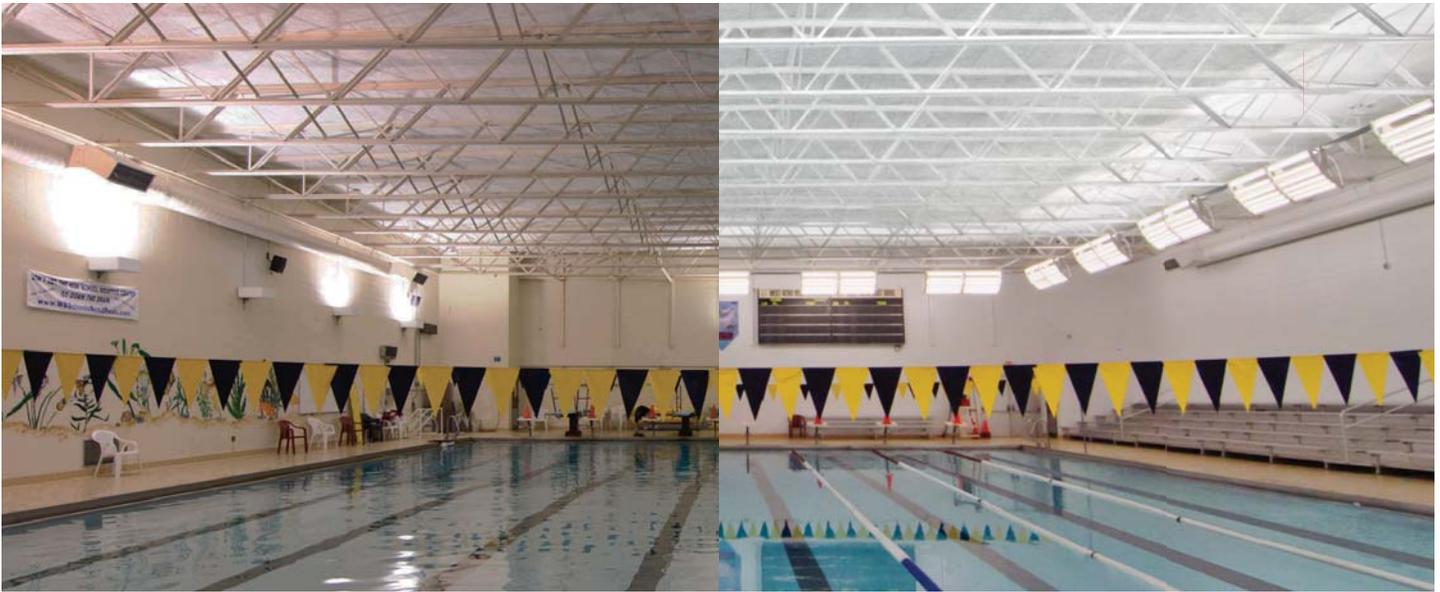


Lightruss

When the West Bend Joint School District reviewed the pool lighting at the High School, they decided something had to be done. The indirect HID fixtures did not provide very good light levels, and did not allow for any controls.



Before



The West Bend School District worked with Muermann Engineering to come up with a solution for improving the light levels combined with a goal of reducing energy consumption. The design team

in turn contacted SPI Lighting and took advantage of the flexible fluorescent Lightruss system. Steiner Electric hung a wire way suspension system around the pool, and then installed (24) eight foot (12 lamp) modules as laid out by the application department at SPI Lighting. Each T5 shatterproof lamp is provided with a perforated reflector to prevent a cave effect in the ceiling.

38% more energy, but provide six times previous light levels. Using only one third of lamps on generates an energy savings of 53%, while still providing twice the light levels from what they had.



West Bend High School District: After Lightruss has been installed.

“When looking at lighting installations in the corrosive environment of a pool, careful consideration must be given to what type is chosen. The SPI 8’ - 12 lamp fixture not only raised the lighting levels past competition levels, but was manufactured to withstand the constant battle with the corrosive air. We installed the track and stainless steel hardware quickly and the fixtures attached to the track without issue. The West Bend High School also has taken advantage of additional switching options and motion sensors that now allow the pool supervisor to reduce the light levels by a third with each switch. This instant on/instant off scenario was not possible with the old metal halide lighting. I have already recommended this fixture to other school districts that we provide service to and will continue to do so.”



Robb Steiner
Estimator/Project Manager
STEINER ELECTRIC, INC.
West Bend, WI

“I knew that the light levels in the pool were bad but really didn’t appreciate how bad until the electrical contractor installed their temporary construction lights and it was brighter in the pool than with the original metal halide fixtures. Today, the pool is evenly lit and is a bright, pleasant place to be. On top of it all, we are saving about \$2,000 a year in utility costs while providing a superior environment in the pool.”

Dave Ross
Director of Facilities & Operations
West Bend Joint School District #1

This provides the school with the option of having 22, 45 or 66 foot candles at any given time, through a simple switching mechanism. In addition sensors were installed in all four corners of the room so that if the space is not in use the lights will turn off.

The facilities manager really felt that the new SPI Lightruss system provides excellent lighting for the space, and gives them ample opportunity to control the light levels which leads to energy savings. All 12 lamps on consumes